

APR 24 1998

PATENT
ATTORNEY DOCKET NO. A21-535.1007
07148/032001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Lorin R. DeBonte et al. Art Unit: 1649
Serial No.: 08/572,027 Examiner: G. Benzion
Filed : 12/14/95
Title : PLANTS HAVING MUTANT SEQUENCES THAT CONFER ALTERED
FATTY ACID PROFILES

Assistant Commissioner for Patents
Washington, DC 20231

RESPONSE

In response to the office action of December 23, 1997,
please amend the application as follows:

In the specification

At page 11, line 32, please delete "on" and insert
therefor --as--.

At page 14, line 9, please delete "WO 94/115116" and
insert therefor --WO 94/11516--.

At page 15, line 9, please delete "WO 94/115116" and
insert therefor --WO 94/11516--.

In the claims

Please cancel claims 4, 11-26, 30 and 36 without
prejudice to further prosecution.

Please amend the claims as follows:

1. (~~Amended~~) An isolated nucleic acid fragment
comprising a sequence of at least about 20 nucleotides from a
Brassicaceae or *Helianthus* delta-12 fatty acid desaturase gene
having at least one mutation in a region of said desaturase gene
encoding a His-Xaa-Xaa-Xaa-His amino acid motif, wherein said at
least one mutation is effective for altering the fatty acid

Date of Deposit April 21, 1998
I hereby certify under 37 CFR 1.8(a) that this correspondence is being
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Chantal R. Billadeau
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